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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/649,923	08/26/2003	Gregory P. Meisner	GP-302965	6104
75	590 04/28/2005		EXAM	INER
Kathryn A. Marra			MEDINA SANABRIA, MARIBEL	
General Motors			ART UNIT	PAPER NUMBER
Mail Code 482-C23-B21			ARTONI	PAPER NUMBER
P.O. Box 300		1754		
Detroit, MI 48265-3000			DATE MAILED: 04/28/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)			
	10/649,923	MEISNER ET AL.			
Office Action Summary	Examiner	Art Unit			
	Maribel Medina	1754			
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet w	ith the correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPI THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reg- If NO period for reply is specified above, the maximum statutory period. Failure to reply within the set or extended period for reply will, by statur Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	.136(a). In no event, however, may a ply within the statutory minimum of thin d will apply and will expire SIX (6) MON te, cause the application to become A	eply be timely filed by (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 26 /					
<u> </u>					
Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
	Ex parte Quayle, 1935 C.L	0. 11, 453 O.G. 213.			
Disposition of Claims					
4) ☐ Claim(s) 1-30 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-6,20,24-26 and 30 is/are rejected. 7) ☐ Claim(s) 7-19,21-23,27,28 and 29 is/are objee 8) ☐ Claim(s) are subject to restriction and/	awn from consideration.	•			
Application Papers					
9)☐ The specification is objected to by the Examin 10)☒ The drawing(s) filed on 26 August 2003 is/are Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11)☐ The oath or declaration is objected to by the E	e: a)⊠ accepted or b)⊡ ol e drawing(s) be held in abeya ction is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	nts have been received. Ints have been received in A Ority documents have beer au (PCT Rule 17.2(a)).	pplication No received in this National Stage			
Attachment(s)					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 8/26/03; 3/17/04. 	Paper No(Summary (PTO-413) s)/Mail Date nformal Patent Application (PTO-152) 			

U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04)



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DETAILED ACTION

Claim Objections

- 1. Claims 4, 9, and 29 are objected to because of the following informalities:
 - a. In claims 4 and 9, the chemical formulas " $MI^d(NH_2)^{+1}_d$ " and " $M^c(NH_2)^{+2}_{c/2}$ " should be changed to -- $MI^d(NH_2)^{-1}_{d}$ -- and -- $M^c(NH_2)^{-2}_{c/2}$ -- respectively.
 - b. In claim 29, the term --LiBH₄-- second occurrence should be deleted.

 Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1-6, 20, 24, 25,26, and 30 are rejected under 35 U.S.C. 102(e) as being anticipated by US 2003/0129126 A1 (CHEN et al).

CHEN et al disclose a method for reversibly producing a source of hydrogen gas comprising: mixing together at least two hydrogen-containing starting materials: such as lithium amide and lithium hydride (See [0013] and [0014]); heating the mixture at a sufficient temperature to

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release hydrogen and form a residue (i.e. lithium imide- See [0044]); and regenerating the starring materials by exposing the residue to hydrogen gas (see [0049]). No difference is seen between the instant claims and CHEN et al method.

Allowable Subject Matter

- 4. Claims 7-19, 21-23, 27, 28 and 29 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 5. The following is a statement of reasons for the indication of allowable subject matter: Claims 7-19, 21-23, 27, 28 and 29 disclose allowable subject matter because the prior art does not teach or fairly suggest: for claims 7-19, 21, 22, 27 and 29, that the starting materials are and amide and an alanate (e.g. LiAlH₄, NaAlH₄), and for claims 23, 28 and 29 that the hydride is a borohydride (e.g. LiBH₄, NaBH₄).

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maribel Medina whose telephone number is (571) 272-1355.

The examiner can normally be reached on Monday through Thursday from 8:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stanley Silverman can be reached on (571) 272-1358. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mulul Mulue Maribel Medina Examiner Art Unit 1754